

Fig. 1

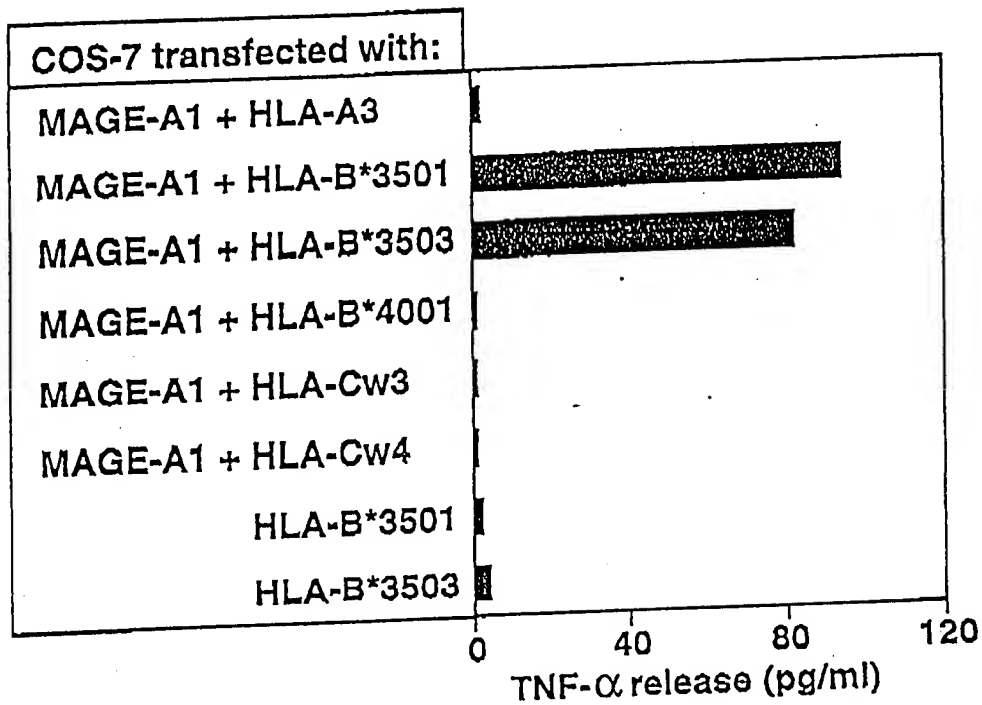


Fig. 2

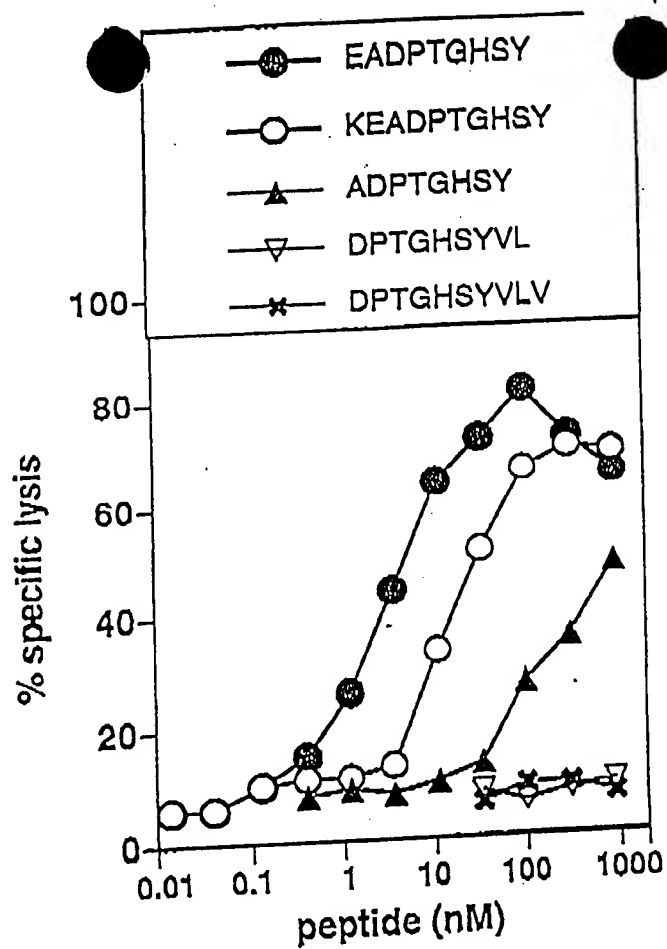


Fig. 3

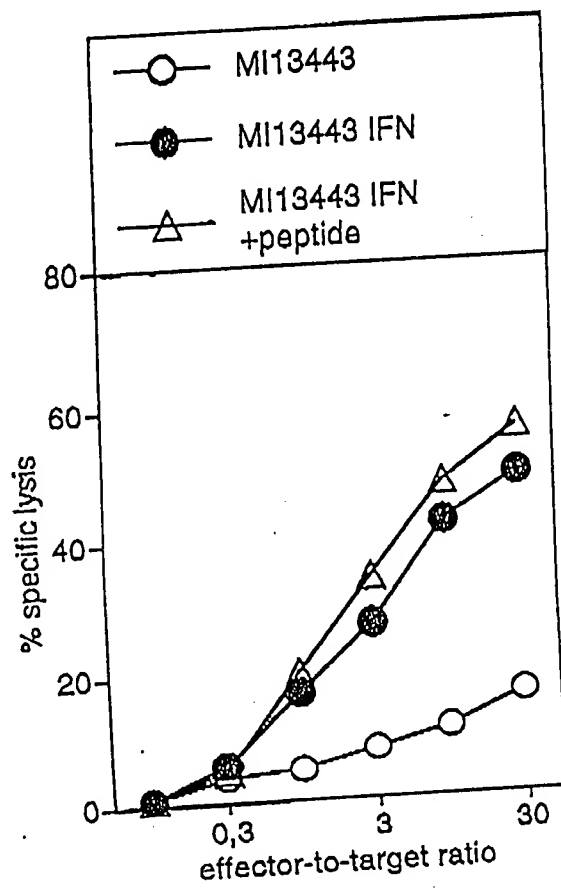


Fig. 4

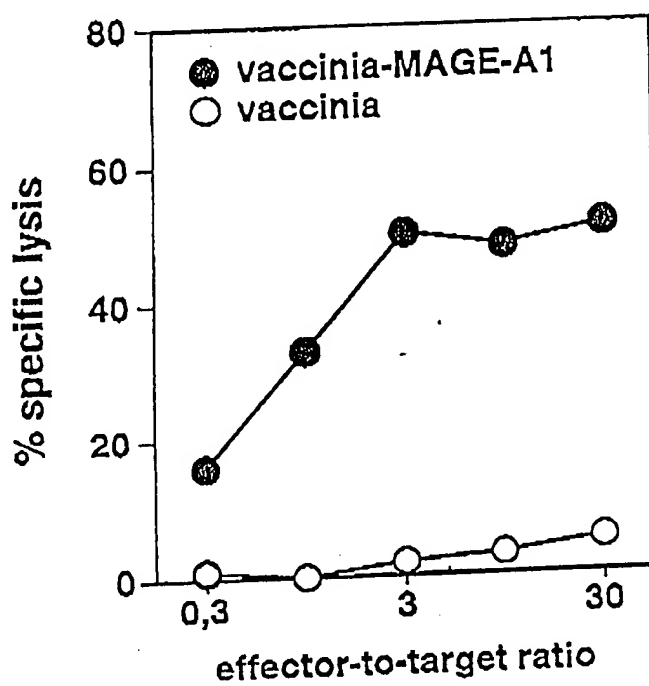
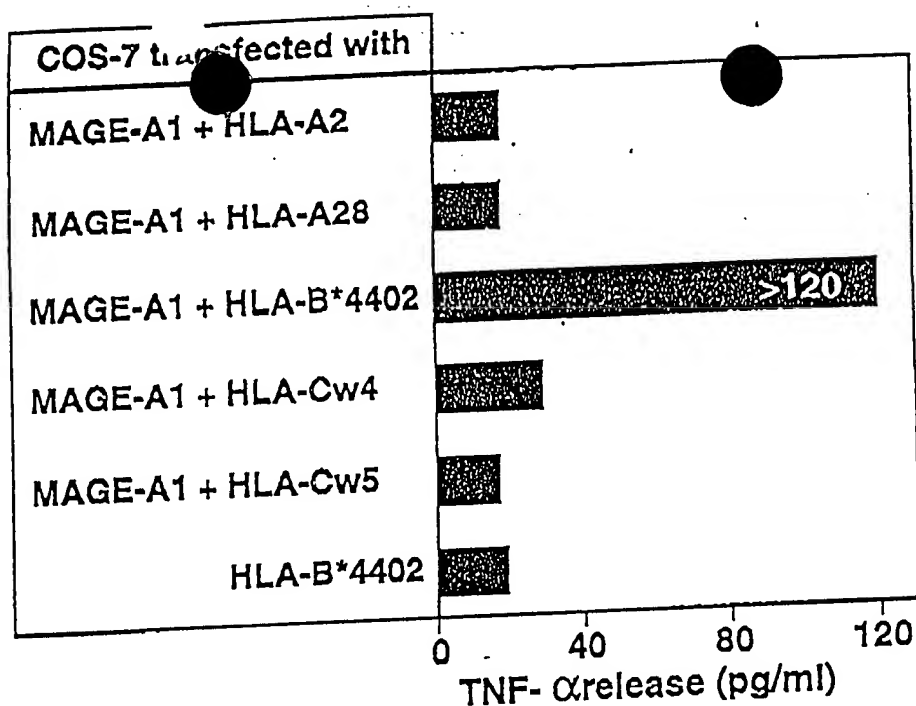


Fig. 5

A



B

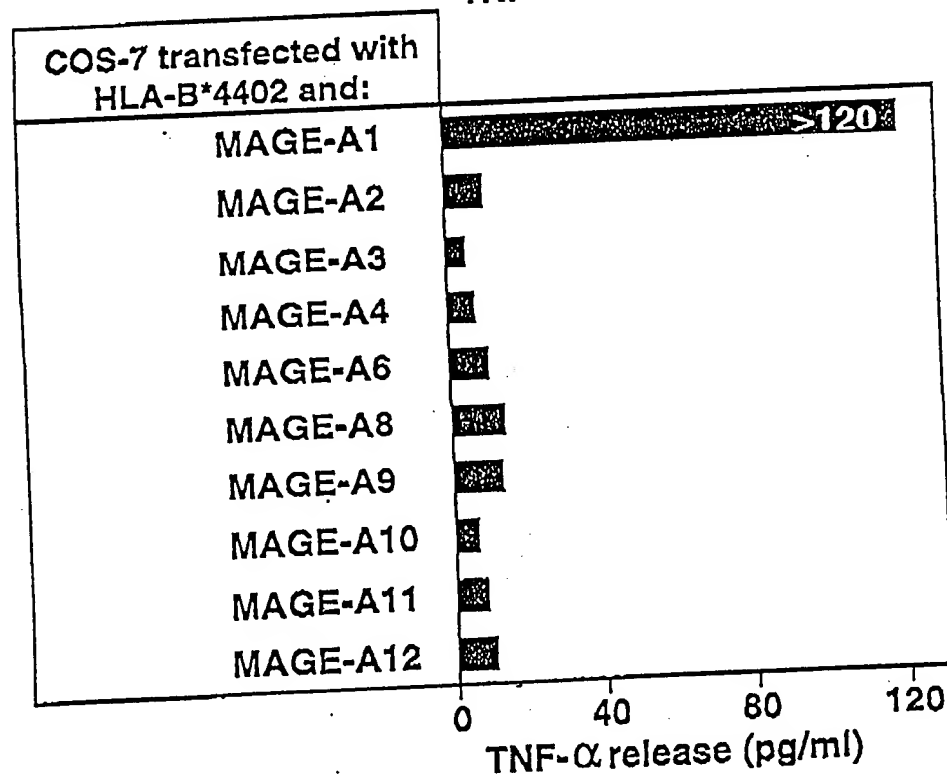


Fig. 6

TNF production by CTL (pg/ml)

CTL clone 4.2 CTL82/30 Effectors

COS + HLA-B*4402 + COS + HLA-A1 +
 MAGE-A1 complete MAGE-A1 complete
 minigene MAGE-A1 minigene MAGE-A1

Stimulators

| | | | |
|-------|-------|------------|-------|
| > 120 | > 120 | 77 | 82 |
| > 120 | > 120 | > 120 | > 120 |
| 9 | > 120 | not tested | |

position in
MAGE-A1
 ORF:

442 bp

507 bp

minigene 1
 ATG TCT CAG TCC TTG CAG CTC CTC TTT GGC ATT GAC GTG TGG GAA GCA GGC CCC ACC GGC CAC TCC TAT TGA
 M S E S L Q L V F G I D V X E A D P T G H S Y

minigene 2
 ATG GAA GCA CAC CCC ACC GGC CAC TCC TAT TGA
 M E A D P T G H S Y

minigene 3
 ATG GCA GAC CCC ACC GGC CAC TCC TAT TGA
 M A D P T G H S Y

Fig. 7

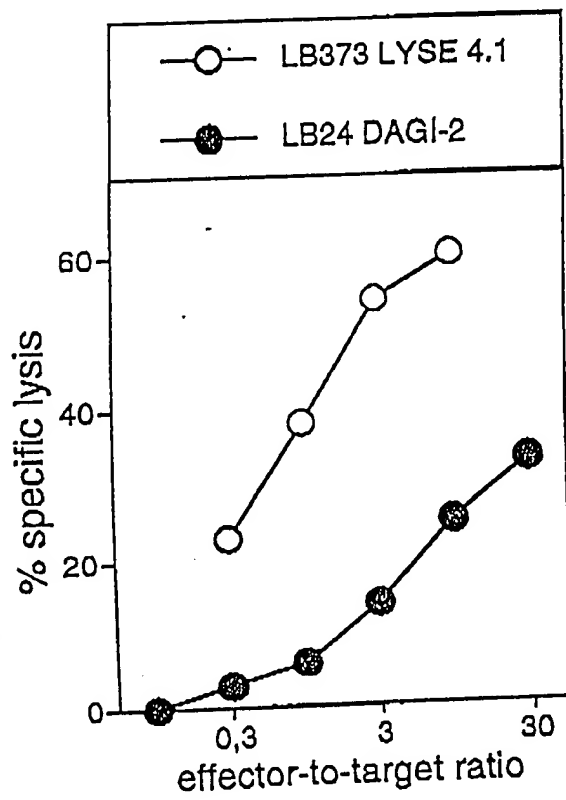


Fig. 8

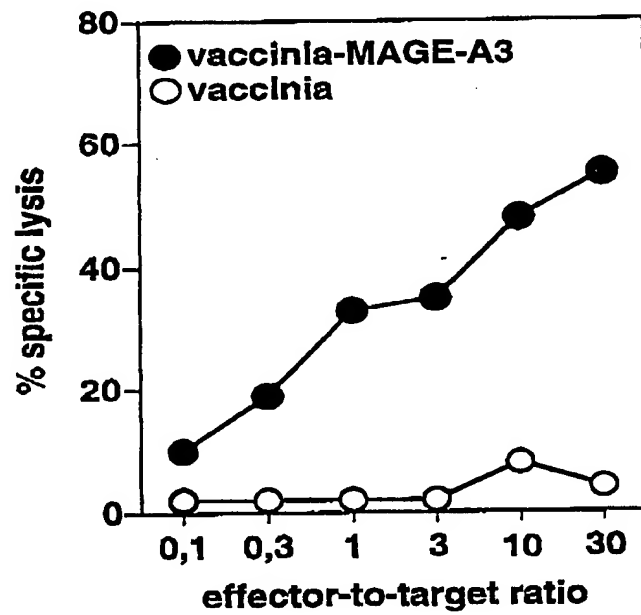


Fig. 9

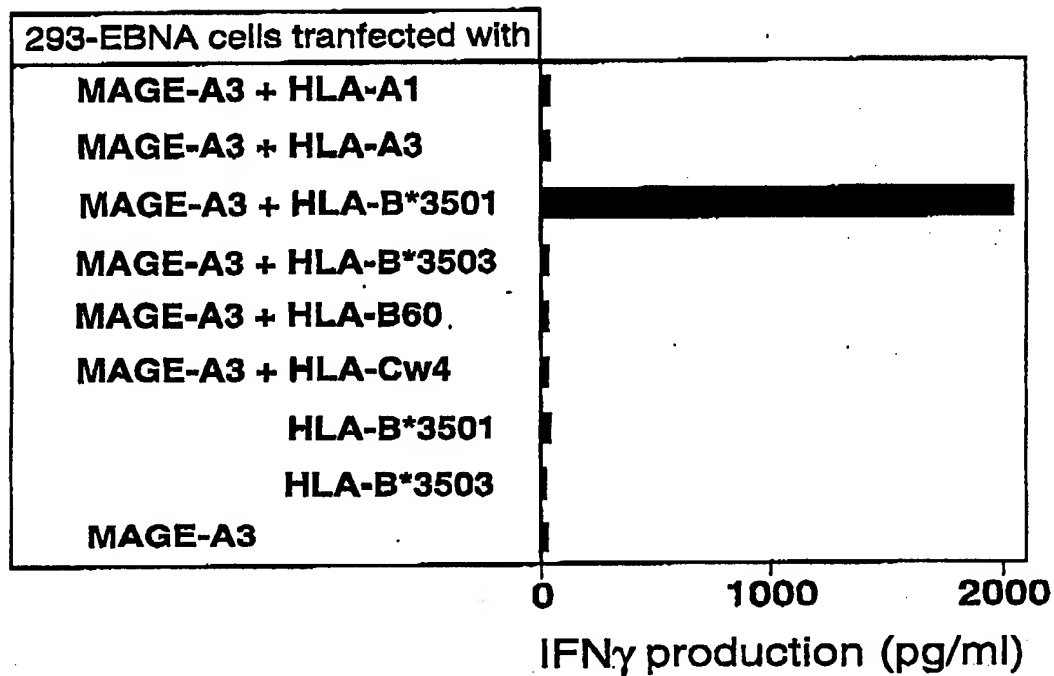


Fig. 10

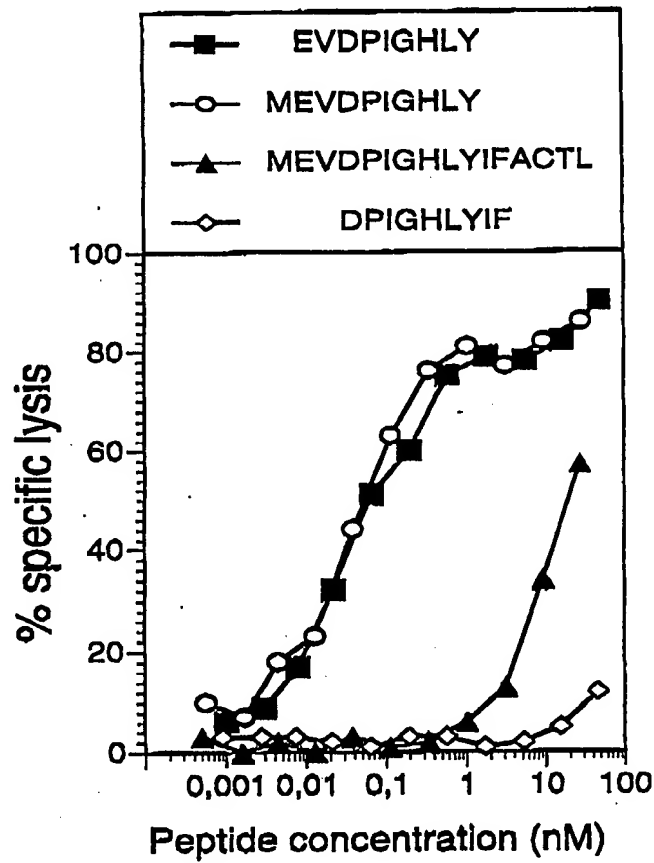


Fig. 11

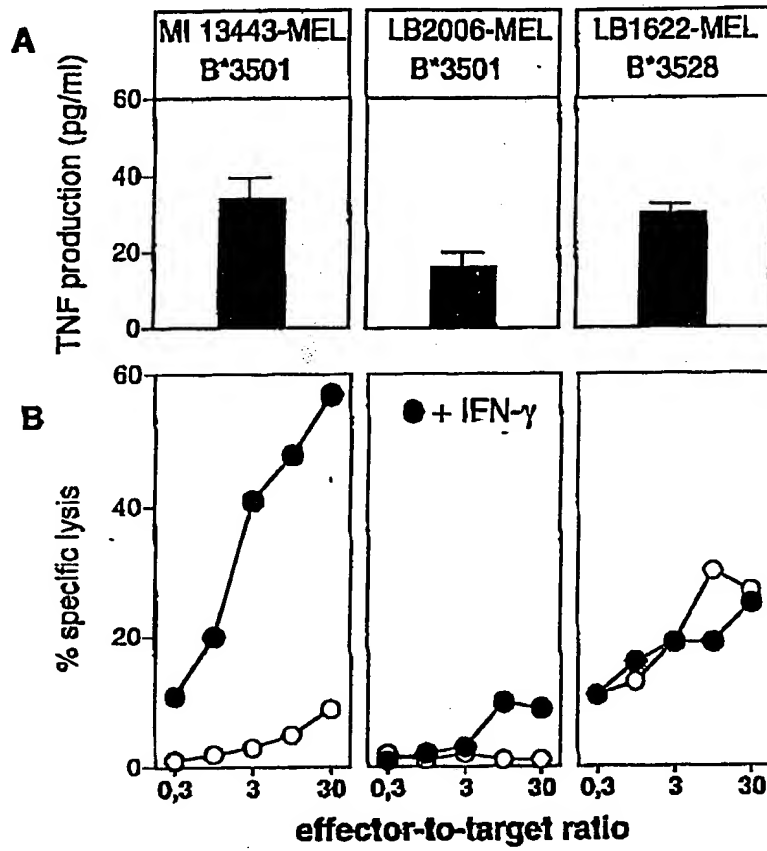


Fig. 12